

## **SAFETY DATA SHEET - STONEHEALTH 'CARB-RID'**

### **1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY**

Product Name: : CARB-RID Poultice for carbon and soiling removal from masonry  
 Company Name: **Stonehealth Limited, G4/5, Draycott Business Park, Glos GL11 5DQ**  
 Emergency Telephone No 01453 540600 and Fax: 01453 540609

### **2. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS**

A special formulated preparation for the removal of carbon, soiling and staining from masonry

Hazardous Ingredients:	Cas No:	Quantity:	Hazard Classification
Amonium Carbonate	10361-29-2	10-20% w/w	Xn: R22,36

Within a formulated mixture of low hazard ingredients, e.g. bentonite, sepiolite or paper pulp

### **3. HAZARD IDENTIFICATION**

Irritating to eyes and skin. Risk phrases: R22 Harmful if swallowed

### **4. FIRST AID MEASURES**

	<b>First Aid Measures</b>	<b>Symptoms and effects</b>	<b>Action to be taken</b>
4.1	Contact with eyes	May cause some irritation.	Wash immediately and continuously for at least 15 minutes with copious flow of water. Seek medical attention.
4.2	Contact with skin	Prolonged or repeated contact may cause some irritation.	Wash the skin immediately with soap and water. Seek medical attention if irritation persists
4.3	Inhalation	Inhalation of mist or spray or of released ammonia may irritate the respiratory tract.	Remove patient to fresh air, obtain medical assistance. Administer oxygen if breathing becomes difficult.
4.4	Ingestion	May cause irritation	Obtain immediate medical assistance. Give plenty of water or milk to drink. <b>Do not induce vomiting.</b>

### **5. FIRE HAZARD / FIGHTING MEASURES**

5.1	Suitable extinguishing media	: Water, Foam, CO2, Water & Powder
5.2	Extinguishing media which may not be used for safety reasons	: None
5.3	Special exposure hazards	: Heating may drive off ammonia fumes. Emits toxic fumes (ammonia, nitrogen oxides) if burnt or thermically decomposed in a fire. Cool containers exposed to fire or heat with water spray.
5.4	Special protective equipment for firefighters	: Positive pressure, self contained breathing apparatus. Protective clothing to prevent eye and skin contact.

### **6. ACCIDENTAL RELEASE MEASURES**

6.1	Personal Precautions	: Wear chemical safety goggles, PVC or rubber boots and gloves, and impervious clothing conforming to EC Directive 89/686/EEC.
6.2	Environmental Precautions:	Prevent the bulk product from spreading into the public water supplies, natural waterways or sewers, or as contaminated soil or vegetation, notify authorities.
6.3	Methods for Cleaning Up	: Contain and absorb liquid with sand and earth. Transfer to Containers and remove to a safe place for subsequent disposal in accordance with section 13. Flush spillage with plenty of water.

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## 7. HANDLING AND STORAGE

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- 7.1 Handling : Avoid contact with eyes and skin. Avoid breathing mist or released ammonia. Do not swallow or inhale. Wash thoroughly after handling. If a strong smell of ammonia ensure adequate ventilation.
- 7.2 Storage : Store under cool conditions in closed containers. Avoid contact with metals

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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- 8.1 Recommended Engineering Controls: : Good general ventilation in handling and storage areas.

8.2 Control Parameters:

Hazardous Ingredients	5-10%w/w	Exposure Limited				References
		Long Term		Short Term		
		ppm	mgm <sup>3</sup>	ppm	mgm <sup>3</sup>	
Released Ammonia Gas	<1in soln.	25	17	35	24	OES

References:

- MEL: Maximum Exposure Limit issued by the U.K. Health & Safety Executive in Guidance Note EH40/91
- OES: Occupational in Exposure Standard issued by the U.K. Health & Safety Executive in Guidance Note EH40/91
- MAK: Maximal Arbeitsplatz Konzentration issued in Germany by the Commission for the chairmanship Of Prof. Dr. D. Henschler.
- TVL: Threshold Limit Value adopted by the American Conference of Government Industrial Hygienists For 1990/91

- 8.3 Monitoring Procedures : Ammonia gas. See HSE Guidance Note EH42
- 8.4 Recommended Personal Protection:
- Eyes: Chemical safety goggles
  - Hands: PVC or rubber gloves
  - Skin: Impervious clothing
  - Respiratory: Breathing apparatus or approved respirator in Confined spaces.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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- 9.1 Appearance: : Near white clay/paper poultice
- 9.2 Odour : Slightly ammoniacal
- 9.3 PH (concentrate) : pH (1% aqueous soln.): Approx 8 to 9
- 9.4 Boiling Point/boiling range : Approximately 100 - 160°C Depending upon the % of liquid (water)
- 9.5 Melting point/boiling point : Not known
- 9.6 Flash point : None
- 9.7 Flammability : None
- 9.8 Auto-flammability : Not auto-flammable
- 9.9 Explosive properties : None
- 9.10 Oxidising properties : None
- 9.11 Vapour pressure : Approximately the same as water.
- 9.12 Relative density : Approximately 1.16
- 9.13 Solubility : Water solubility: Miscible Fat solubility: Not known
- 9.14 Partition coefficient (n-octanol Water): Not known
- 9.15 Other Data : None

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## 10 STABILITY AND REACTIVITY

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- 10.1 Stability : May release ammonia.
- 10.2 Conditions to avoid : High temperatures may increase ammonia vapour, carbon monoxide & dioxide
- 10.3 Materials to avoid : Metals.
- 10.4 Hazardous Decomposition : Thermal decomposition and combustion of solid content produce Ammonia Product and dioxides.

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## 11. TOXICOLOGICAL INFORMATION

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11.1	Acute LD50 Oral Rat:	: Not known.
11.2	Acute LD50 Dermal Rabbit	: Not known
11.3	Acute LD50 Inhalation Rat (4hr)	: Not known
11.4	Effects of exposure and symptoms	: As per section 4.
11.5	Other Data:	: There is no indication of harmful effects of ammonia due to long term exposure to low concentrations.

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## 12. ECOLOGICAL INFORMATION

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12.1	Aquatic toxicity:	: LC50 (96 hr) Rainbow Trout: Not Known	: EC50 (48hr) Daphnia Magna: Not known
		: Other	: None
12.2	Environmental effects	: Not regarded as dangerous for the environment.	

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## 13. DISPOSAL CONSIDERATIONS

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13.1	Disposal Methods	: Dispose of in accordance with Local and National regulations.
13.2	Disposal of Packaging	: As above.

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## 14. TRANSPORT INFORMATION

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14.1	Labelling for transportation	: Not required.
14.2	Substance Identification Number (SIN) (UN Number)	: None
14.3	ADR/RID	: Without restriction
14.4	IMDG	: Without restriction
14.5	IATA/ICAO	: Without restriction
14.6	Other information : UK road transport classification	: Without restriction

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## 15. REGULATORY INFORMATION

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15.1	Labelling according to EC Directives :
	Classification : Irritant
	Risk Phrases : 22/36
	Safety Phrases : S22 When neat ammonium carbonate only
15.2	EINICS number : 233-786-0 When neat ammonium carbonate only
15.3	Specific provisions : None

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## 16. OTHER INFORMATION

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Nature of revision : Second issue  
 Material suppliers' safety data sheets were used as key data sources in the preparation of this safety data sheet..

This Safety Data Sheet has been drawn up in accordance with EC guidelines. The information has been compiled with the utmost care, we cannot however accept responsibility for damage, of any kind, The use of the product remains the responsibility of the user to assure themselves that the information is suitable and complete concerning the special use they make of the product. Stonehealth denies all responsibility for loss or damage resulting from the use of this data.